STATE OF MISSOURI DEPARTMENT OF NATURAL RESOURCES AIR POLLUTION CONTROL PROGRAM 1101 RIVERSIDE DRIVE, P.O. BOX 176 JEFFERSON CITY, MISSOURI 65102-0176

## **EMISSIONS INVENTORY QUESTIONNAIRE (EIQ)** FORM 2.7 HAUL ROAD FUGITIVE EMISSIONS WORKSHEET

FACILITY NAME		FIPS COUNTY NO.		PLANT NO.	YEAR OF DATA		
	ot need to be reported	d on these forms.			s less than 100 VMT, then the are not reported, documental		
[1] HAUL ROAD INFORM	IATION						
POINT NO.	SOURCE CLASSIFICATION CODE		SCC) SEG NO.		TYPE OF DUST CONTROL (CHECK ONE)	CONTROL EFF %	
LENGTH OF ROAD (MILES)	SILT CONTENT (%) DEFAULT = 8.3%		SURFACE MATERIAL OF ROAD		☐ SURFACTANT SPRAY ☐ WATER SPRAY DOCUMENTED ☐ WATER SPRAY	90 > 50 50	
SURFACE MATERIAL MOISTURE CONTENT (%) (MUST REFERENCE DRY, WORST-CASE CONDITIONS DEFAULT = 0.2%)  DAYS OF RA (DEFAULT =			RAIN WITH AT LEAST 0.01" PER YEAR = 105)		□ NO CONTROLS □ OTHER (SPECIFY):	0	
[2] HAUL TRACK INFORI	MATION						
AVERAGE WT OF MATERIAL PER LOAD (TONS)			UNLOADED	UNLOADED TRUCK WT (TONS)			
AVERAGE TRUCK SPEED (MPH)			AVERAGE I	AVERAGE LOADED TRUCK WT (TONS)			
[3] MATERIAL HAULED							
TYPE OF MATERIAL(S) HAULED			LIST ANY F	LIST ANY PERMIT CONDITIONS LIMITING THE AMOUNT HAULED			
ANNUAL AMOUNT HAULED (TONS)			MAXIMUM	MAXIMUM HOURLY AMOUNT HAULED (TONS)			
[4] CALCULATION OF A	NNUAL VEHICLE MIL	ES TRAVELED (\	VMT)	I.			
ANNUAL VMT = 2 X	(LENGTH OF HAUL F	ROAD} X {ANNUA	AL AMOUNT	HAULED} / {AV	/ERAGE WT OF MATERIAL	PER LOAD}	
			PORTABLE LEVEL = SUM OF ALL ROAD VMTS >100	DF ALL ROAD			
[5] CALCULATION OF HA	AUL ROAD EMISSION	I FACTOR					
			ISSION FACT	OR =			
	RAIN} / 365] / [{S	LOADED TRUCK SURFACE MATER	( WT} + {AVE	RAGE LOADE	D TRUCK WT}) / 6]^0.4 X [(36 - (%)} / 0.2]^0.3 AVERAGE TRUCK SPEED /	·	
	OL TROOK OF ELD TO	7 < 10 WII 11, WIOLI		20/11/014/01//	TWENTOE TROOK OF EED 7		
PM10 EMISSION FACTOR						LBS PM10/VMT	
					P 42 section on Unpaved Ha factors should be calculated t	·	

haul road and type of haul truck. The Stone Quarrying SCC number (3-05-020-11) should be used as the SCC number on Form 2.0. The calculated PM10 emission factor should be entered in the PM10 Box in Section 3, Block 7 on Form 2.0.

A more detailed discussion on dust control method and the resulting Control Efficiency (%) can be found in the AP 42 section 13.2.2. The appropriate dust control method should be checked in Block 1 and the control efficiency should be entered in the PM10 Box of Section 3, Block 10 on Form 2.0.

## ALTERNATE METHODS TO ESTABLISH THE HAUL ROAD PM10 EMISSION FACTOR

Instead of using this form to calculate the PM10 emission factor for haul roads, the Source Classification Code (SCC) For Stone Quarrying and Processing Haul Road Emissions (3-05-020-11) may be used as a default SCC number. The PM10 emission factor to use with this SCC number is 6.2 lbs of PM10 per VMT.